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MAY 29 2007

Appl. No. 10/563,904
THIRD PRELIMINARY AMENDMENTAmendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-9 (Canceled)

Claim 10 (Currently Amended): A motor comprising a cooling medium flow path to which magnetic members are provided, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction, wherein the magnetic flux density at the center of the flow path is set at ~~500~~ 2,000 to 5,000 gaussses.

Claim 11 (Previously Presented): The motor according to Claim 10, wherein far-infrared ray-generating members are provided in conjunction with the magnetic members.

Claim 12 (Previously Presented): The motor according to Claim 11, wherein the wavelength of the far-infrared ray generated

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by the far-infrared ray-generating members is within $\pm 10\%$ in relation to a wavelength at which molecules undergo resonance reaction and is $1/N$ thereof, wherein N is a natural number.

Claim 13 (Previously Presented): The motor according to Claim 10, wherein the magnetic members are arranged in such a manner that mutually identical magnetic poles are juxtaposed or mutually different magnetic poles are alternately juxtaposed at a portion where the members are in contact with the medium flow path.

Claim 14 (Previously Presented): The motor according to Claim 10, wherein the medium flow path is a bundled combination of a pathway through which a cooling medium passes together with a pathway through which a medium as a fuel passes, and further comprises magnetic members provided thereto, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction in each pathway.

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Claim 15 (Previously Presented): The motor according to Claim 10, which is used for an automobile.

Claim 16 (Previously Presented): The motor according to Claim 10, which is liquid-cooled.

Claims 17-24 (Canceled)

Claim 25 (New): A medium flow path comprising magnetic members, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction in relation to the medium flow path are provided, wherein the magnetic flux density at the center of the flow path is set at 2,000 to 5,000 gaussses.

Claim 26 (New): The medium flow path according to Claim 25, wherein far-infrared ray-generating members are provided in conjunction with the magnetic members.

Claim 27 (New): The medium flow path according to Claim 26, wherein the wavelength of the far-infrared ray-generated by

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the far-infrared ray-generating members is within $\pm 10\%$ in relation to a wavelength at which molecules undergo resonance reaction and is $1/N$ thereof, wherein N is a natural number.

Claim 28 (New): The medium flow path according to Claim 25, wherein the magnetic members are arranged in such a manner that mutually identical magnetic poles are juxtaposed or mutually different magnetic poles are alternately juxtaposed at a portion where the members are in contact with the medium flow path.

Claim 29 (New): The medium flow path according to Claim 25, wherein the medium flow path is a bundled combination of a pathway through which a cooling medium passes together with a pathway through which a medium as a fuel passes, and further comprises magnetic members provided thereto, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction in each pathway.

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Claim 30 (New): Industrial machinery comprising the medium
flow path according to Claim 25.